

u-4422

Frank Vick

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT JR. 1534 MAIL SERVICE CENTER, RALEIGH, NC 27699-1534
GOVERNOR

DAVID MCCOY
SECRETARY

January 4, 2001

MEMORANDUM

TO: Calvin W. Leggett, P. E.
Manager, Program Development Branch

FROM: Derrick W. Lewis, P.E. *Derrick W Lewis*
Feasibility Studies Engineer - Feasibility Studies Unit

SUBJECT: FS-9906G Cost Estimate – SR 1592 (Glensford Road), US 401 Business (Raeford Road) to SR 1400 (Cliffdale Road). Widen to a multilane facility, some on new location. Fayetteville, Cumberland County

As requested, we have completed a cost estimate for the candidate TIP Project FS-9906G, which proposes to extend SR 1592 (Glensford Road) from US 401 Business (Raeford Road) to Belford Road and widen Glensford Road from Belford Road to SR 1400 (Cliffdale Road), a distance of 1.2 miles (1.9 km) (See Figure 1). At the City of Fayetteville's request, the recommended cross section is a four-lane divided section, 72 feet (21.9 m) wide face to face of curbs with a 16-foot (4.9 m) raised grass median and 10-foot (3.0-m) berms, on 100 feet (30.5 m) of right-of-way. It is anticipated that no residences or businesses will be relocated with this project. The total cost of this project, including right-of-way and construction is \$9,600,000.

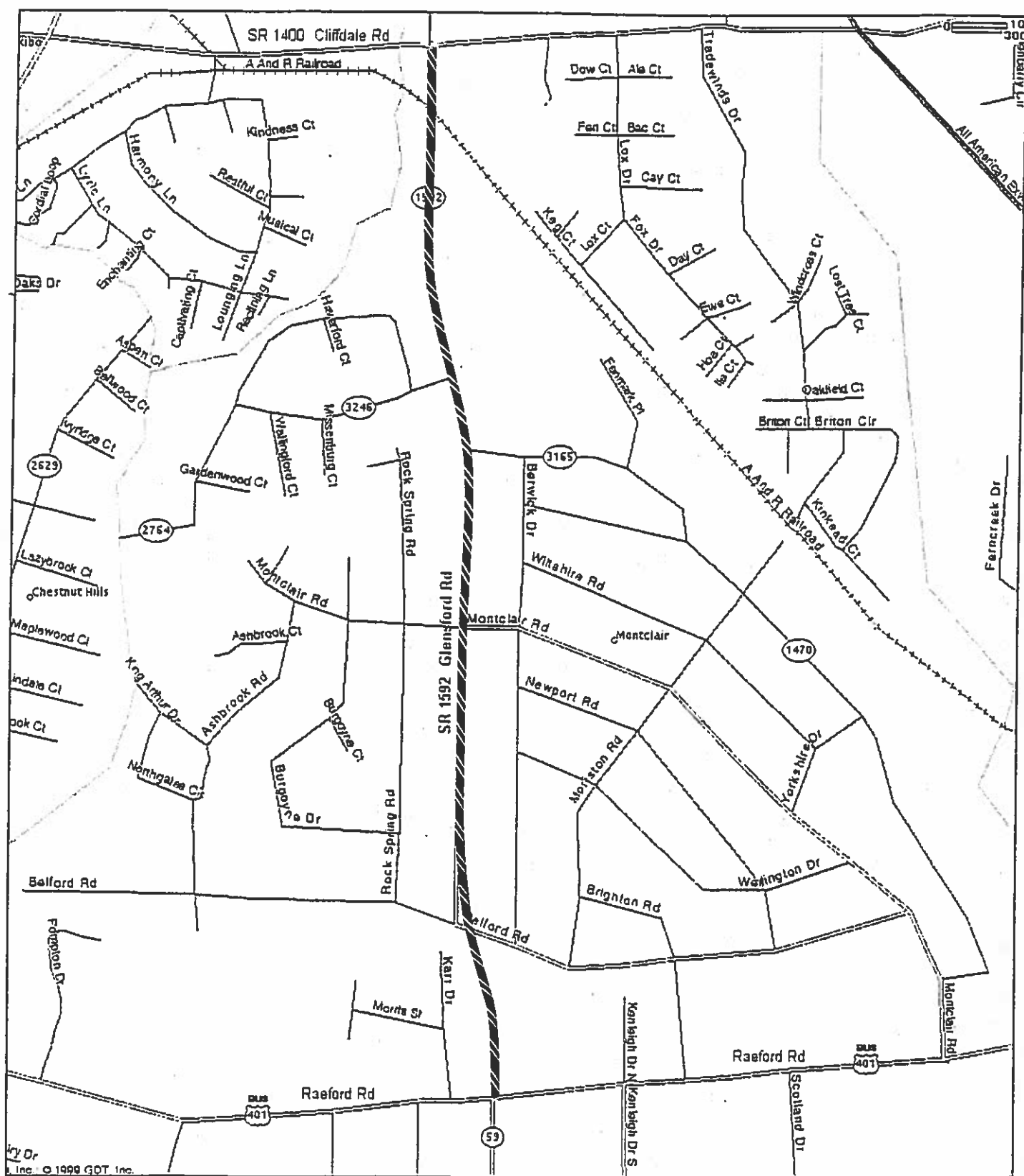
Construction.....	\$ 7,050,000
Right-of-way	\$ 2,550,000
Total Cost.....	\$ 9,600,000

We also evaluated a five-lane curb and gutter section, 68 feet (20.7 m) wide face to face of curbs, with 10-foot (3.0 m) berms, on 100 feet (30.5 m) of right-of-way. It is anticipated that no residences or businesses would be relocated with this alternative. The total cost of this alternative, including right-of-way and construction is \$8,250,000.

Construction.....	\$ 5,700,000
Right-of-way	\$ 2,550,000
Total Cost.....	\$ 8,250,000

As you are aware, this work is extremely preliminary and is not the product of comprehensive environmental or design evaluations. If you have any additional questions concerning this project, please call me at 733-2039.

DWL/dl



FS-9906G

Widen SR 1592 (Glensford Road) from US 401 Bus. (Raeford Rd) to SR 1400 (Cliffdale Rd) in Fayetteville, Cumberland County

Subject: FS-9906G**Date:** Mon, 23 Apr 2001 13:45:12 -0400**From:** "Derrick W. Lewis PE" <dlewis@dot.state.nc.us>**Organization:** North Carolina Department of Transportation**To:** "Al L. Avant" <aavant@dot.state.nc.us>, Ray McIntyre <rmcintyre@dot.state.nc.us>, "H. Franklin Vick" <fvick@dot.state.nc.us>, "Calvin W. Leggett" <cleggett@dot.state.nc.us>

Subject: Cost breakout for FS-9906G, Glensford Drive from US 401 Business (Raeford Road) to SR 1400 (Cliffdale Road). Fayetteville, Cumberland County

Section 1, Glensford Drive Extension from US 401 Business (Raeford Road) to Belford Road (Approximately .21 miles).

5 lane section:

Construction	\$1,200,000
Right of Way	\$ 720,000
Total	\$1,920,000

4 lane divided narrow Median

Construction	\$1,250,000
Right of way	\$ 720,000
Total	\$1,970,000

Section 2, Glensford Drive from Belford Road to Chesterbrook Drive (Approx 0.52 miles) (Symmetrical)

Five Lane section

Construction	\$2,450,000
Right of Way	\$1,675,000
Total	\$4,125,000

4 lane divided

Construction	\$3,600,000
Right of way	\$1,675,000
Total	\$5,275,000

3 lane resurfacing (Please note that existing cross section is only 31 feet wide)

Construction	\$110,000
Right of Way	N/A

Section 3, Glensford Drive from Chesterbrook Drive to Cliffdale (Asymmetrical to the west)

5 Lane Section

Construction	\$2,250,000
Right of way	\$ 765,000
Total	\$3,015,000

4 lane divided

Construction	\$2,350,000
Right of way	\$ 765,000
Total	\$3,115,000

3 lane resurfacing not right of way \$90,000

Raeford Road westbound Right Turn lane

Construction	\$175,000
Right of Way	\$160,000
Total	\$335,000

NC 59 Northbound Right turn Lane
 Construction \$125,000
 Right of way \$155,000
 Total \$280,000

Additional left turn lane on Westbound Cliffdale Road (Dual left
 turn lanes)
 Construction \$175,000
 Right of Way \$145,000
 Total \$320,000

Total cost of project including extra turn lanes
 5 lane section \$10,000,000
 4 lane divided \$11,300,000

5 lane extension with 3 lane resurfacing on remainder
 \$3,055,000
 includes right turn lanes on Raeford and NC 59

4 lane extension with 3 lane resurfacing on remainder
 \$2,785,000
 Includes Right turn lanes on Raeford and NC 59

Please note that the 3 lane resurfacing alternatives requested by
 the MPO is only 31 feet wide. Therefore, this will result in a
 substandard 10 foot lane width.

Derrick Lewis
 Feasibility Studies Unit